

## MECHANISMS OF AGEING AND DEVELOPMENT

### VOLUME CONTENTS

*Volume 70 (1993)*

Evaluation of the molecular and cellular basis for the modulation of thyroid C-cell hormones by aging and food restriction .....	1
M.A. Salih, D.C. Herbert and D.N. Kalu (San Antonio, TX)	
Effect of caloric restriction on aflatoxin B <sub>1</sub> -induced DNA synthesis, AFB <sub>1</sub> -DNA binding and cell proliferation in Fischer 344 rats .....	23
M.W. Chou, M.H. Lu, R.A. Pegram, P. Gao, S. Cao, J. Kong and R.W. Hart (Jefferson, AR)	
Paracrine stimulation of senescent satellite cell proliferation by factors released by muscle or myotubes from young mice .....	35
A. Mezzogiorno, M. Coletta, B.M. Zani, G. Cossu and M. Molinaro (Rome, Italy)	
Impact of aging on the morphology and function of the somatotroph cell population in rats .....	45
G.M. Console, C.L.A. Gomez Dumm and R.G. Goya (La Plata, Argentina)	
Effect of age and of swimming-induced stress on the phagocytic capacity of peritoneal macrophages from mice .....	53
E. Ortega, M.A. Forner, C. Barriga and M. de la Fuente (Madrid, Spain)	
Age and GSH metabolism in rat cerebral cortex, as related to oxidative and energy parameters .....	65
T. Iantomasi, F. Favilli, P. Marraccini, M. Stio, C. Treves, A. Quattrone, S. Capaccioli and M.T. Vincenzini (Florence, Italy)	
Reduced density of dopamine D <sub>2</sub> receptors in the rat tail artery as a function of age .....	83
M. Mancini, J. Vega and F. Amenta (Rome and Camerino, Italy; Oviedo, Spain)	
Low risk to certain diseases in aging: role of the autonomic nervous system and calcium metabolism .....	95
C. Gilbert (Larnaca, Cyprus)	
Influence of aging on the $\beta$ - and glucagon-receptor-mediated glycogenolysis in rat hepatocytes .....	115
N. Fraeyman and A. van Ermel (Gent, Belgium)	

Age-dependent changes in the phosphorylation of nuclear proteins of submandibular glands in isoproterenol-treated rats .....	127
Y. Ishikawa, C. Chen, I. Amano, N. Koda and H. Ishida (Tokushima, Japan)	
Age-related changes in albumin binding by renal brush-border membrane vesicles .....	139
A.L. Cessac, M. Perichon, J. Schaeverbeke and H. Bakala (Paris, France)	
Investigations of the lymphokine system in elderly individuals .....	149
J. Sindermann, A. Kruse, H.-J. Frercks, R.M. Schütz and H. Kirchner (Lübeck, Germany)	
Familial co-segregation of the elastin phenotype in skin fibroblasts from Hutchinson-Gilford progeria .....	163
M. Giro and J.M. Davidson (Nashville, TN)	
Maximum life span in vertebrates: relationship with liver antioxidant enzymes, glutathione system, ascorbate, urate, sensitivity to peroxidation, true malondialdehyde, <i>in vivo</i> H <sub>2</sub> O <sub>2</sub> , and basal and maximum aerobic capacity .....	177
M. Lopez-Torres, R. Perez-Campo, C. Rojas, S. Cadenas and G. Barja (Madrid, Spain)	
Age-dependent modifications of mitochondrial trans-membrane potential and mass in rat splenic lymphocytes during proliferation .....	201
C. Pieri, R. Recchioni and F. Moroni (Ancona, Italy)	
Evidence for accelerated skin wrinkling among developmentally delayed individuals with Down's Syndrome .....	213
K.L. Brugge, G.L. Grove, P. Clopton, M.J. Grove and D.J. Piacquadio (La Jolla, CA; Philadelphia, PA)	
HnRNP CBP35 · CBP67 interaction during stress response and ageing ..	227
G. Lauc, A.-P. Seve, J. Hubert, M. Flögel-Mrsic, W.E.G. Müller and H.C. Schröder (Mainz, Germany; Zagreb, Croatia; Paris, France)	
<b>Author Index Volume 70 .....</b>	<b>237</b>
<b>Subject Index Volume 70 .....</b>	<b>239</b>
<b>Volume Contents Volume 70 .....</b>	<b>243</b>

